

<210> 508

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>

<223> At positions 9, 20 and 21, D amino acid residues

<400> 508

Lys	Lys	Gly	Phe	Phe	Ala	Leu	Ile	Pro	Lys	Ile	Ile	Ser	Ser	Pro	Leu
1				5					10					15	

Phe	Lys	Thr	Leu	Leu	Ser	Ala	Val
				20			

<210> 509

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>

<223> At positions 9, 20 and 21, D amino acid residues

<400> 509

Lys	Lys	Gly	Phe	Phe	Ala	Leu	Ile	Pro	Lys	Ile	Ile	Ser	Ser	Pro	Leu
1				5					10					15	

Phe	Lys	Thr	Leu	Leu	Ser	Ala	Val
				20			

<210> 510

<211> 11

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 7, D amino acid residue

&lt;400&gt; 510

Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser  
1 5 10

&lt;210&gt; 511

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 511

Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu  
1 5 10 15Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln  
20 25

&lt;210&gt; 512

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

<223> At positions 5, 8, 17 and 23, D amino acid  
residues

&lt;400&gt; 512

Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu  
1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln  
20 25

<210> 513  
<211> 26  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>  
<223> At positions 5, 8, 17 and 23, D amino acid  
residues

<400> 513  
Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu  
1 5 10 15

Ile Ser Trp Ile Lys Arg Lys Arg Gln Gln  
20 25

<210> 514  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>  
<223> At positions 5, 8, 17 and 21, D amino acid  
residues

<400> 514  
Gly Ile Gly Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu  
1 5 10 15

Ile Ser Trp Ile Lys Arg  
20

<210> 515  
<211> 19  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>  
<223> At positions 2, 5, 14 and 18, D amino acid  
residues

<400> 515  
Ala Val Leu Lys Val Leu Thr Thr Gly Leu Pro Ala Leu Ile Ser Trp  
1 5 10 15

Ile Lys Arg

<210> 516  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>  
<223> At positions 3, 4, 8 and 10, D amino acid residues

<400> 516  
Lys Leu Leu Leu Leu Leu Lys Leu Leu Leu Lys  
1 5 10

<210> 517  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC

## PEPTIDE

&lt;220&gt;

&lt;223&gt; At positions 3, 4, 8 and 10, D amino acid residues

&lt;400&gt; 517

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys  
1 5 10

&lt;210&gt; 518

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At positions 3, 4, 8 and 10, D amino acid residues

&lt;400&gt; 518

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys  
1 5 10

&lt;210&gt; 519

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 519

Lys Lys Leu Leu Lys Leu Lys Leu Lys Leu Lys Lys  
1 5 10

&lt;210&gt; 520

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 520

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys  
1 5 10

<210> 521

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 521

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys  
1 5 10

<210> 522

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 522

Lys Leu Leu Leu Leu Lys  
1 5

<210> 523

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC

## PEPTIDE

&lt;400&gt; 523

Lys Leu Leu Leu Lys Leu Leu Lys

1

5

&lt;210&gt; 524

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 524

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys

1

5

10

&lt;210&gt; 525

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 525

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys

1

5

10

&lt;210&gt; 526

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 526

Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys  
1 5 10

<210> 527

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 527

Lys Ala Ala Ala Lys Ala Ala Ala Lys Ala Ala Lys  
1 5 10

<210> 528

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 528

Lys Val Val Val Lys Val Val Val Lys Val Val Lys  
1 5 10

<210> 529

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 529

Lys Val Val Val Lys Val Lys Val Lys Val Val Lys  
1 5 10



<210> 530  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 530  
Lys Val Val Val Lys Val Lys Val Lys Val Lys  
1 5 10

<210> 531  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 531  
Lys Val Val Val Lys Val Lys Val Lys Val Val Lys  
1 5 10

<210> 532  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 532  
Lys Leu Ile Leu Lys Leu  
1 5

<210> 533

<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 533  
Lys Val Leu His Leu Leu  
1 5

<210> 534  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 534  
Leu Lys Leu Arg Leu Leu  
1 5

<210> 535  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 535  
Lys Pro Leu His Leu Leu  
1 5

<210> 536  
<211> 8  
<212> PRT  
<213> Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 536

Lys Leu Ile Leu Lys Leu Val Arg  
1 5

&lt;210&gt; 537

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 537

Lys Val Phe His Leu Leu His Leu  
1 5

&lt;210&gt; 538

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 538

His Lys Phe Arg Ile Leu Lys Leu  
1 5

&lt;210&gt; 539

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:VIP MIMETIC

## PEPTIDE

&lt;400&gt; 539

Lys Pro Phe His Ile Leu His Leu  
1 5

&lt;210&gt; 540

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 540

Lys Ile Ile Ile Lys Ile Lys Ile Lys Ile Ile Lys  
1 5 10

&lt;210&gt; 541

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 541

Lys Ile Ile Ile Lys Ile Lys Ile Lys Ile Ile Lys  
1 5 10

&lt;210&gt; 542

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 542

Lys Ile Ile Ile Lys Ile Lys Ile Lys Ile Ile Lys  
1 5 10

<210> 543

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 543

Lys Ile Pro Ile Lys Ile Lys Ile Lys Ile Pro Lys  
1 5 10

<210> 544

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 544

Lys Ile Pro Ile Lys Ile Lys Ile Lys Ile Val Lys  
1 5 10

<210> 545

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 545

Arg Ile Ile Ile Arg Ile Arg Ile Arg Ile Ile Arg  
1 5 10

<210> 546  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 546  
Arg Ile Ile Ile Arg Ile Arg Ile Arg Ile Ile Arg  
1 5 10

<210> 547  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 547  
Arg Ile Ile Ile Arg Ile Arg Ile Arg Ile Ile Arg  
1 5 10

<210> 548  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 548  
Arg Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg  
1 5 10

<210> 549

<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 549  
Arg Ile Ile Val Arg Ile Arg Leu Arg Ile Ile Arg  
1 5 10

<210> 550  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 550  
Arg Ile Gly Ile Arg Leu Arg Val Arg Ile Ile Arg  
1 5 10

<210> 551  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 551  
Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg  
1 5 10

<210> 552  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 552

Arg Ile Ala Val Lys Trp Arg Leu Arg Phe Ile Lys  
1 5 10

<210> 553

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 553

Lys Ile Gly Trp Lys Leu Arg Val Arg Ile Ile Arg  
1 5 10

<210> 554

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 554

Lys Lys Ile Gly Trp Leu Ile Ile Arg Val Arg Arg  
1 5 10

<210> 555

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC



## PEPTIDE

&lt;400&gt; 555

Arg Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg  
1 5 10

&lt;210&gt; 556

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 556

Arg Ile Ile Val Arg Ile Arg Leu Arg Ile Ile Arg Val Arg  
1 5 10

&lt;210&gt; 557

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 557

Arg Ile Gly Ile Arg Leu Arg Val Arg Ile Ile Arg Arg Val  
1 5 10

&lt;210&gt; 558

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 558

Lys Ile Val Ile Arg Ile Arg Ala Arg Leu Ile Arg Ile Arg Ile Arg  
1 5 10 15

<210> 559

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 559

Arg Ile Ile Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu  
1 5 10 15

<210> 560

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 560

Lys Ile Gly Ile Lys Ala Arg Val Arg Ile Ile Arg Val Lys Ile Ile  
1 5 10 15

<210> 561

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 561

Arg Ile Ile Val His Ile Arg Leu Arg Ile Ile His His Ile Arg Leu  
1 5 10 15

<210> 562  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 562  
His Ile Gly Ile Lys Ala His Val Arg Ile Ile Arg Val His Ile Ile  
1 5 10 15

<210> 563  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 563  
Arg Ile Tyr Val Lys Ile His Leu Arg Tyr Ile Lys Lys Ile Arg Leu  
1 5 10 15

<210> 564  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 564  
Lys Ile Gly His Lys Ala Arg Val His Ile Ile Arg Tyr Lys Ile Ile  
1 5 10 15

<210> 565

<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 565  
Arg Ile Tyr Val Lys Pro His Pro Arg Tyr Ile Lys Lys Ile Arg Leu  
1 5 10 15

<210> 566  
<211> 16  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 566  
Lys Pro Gly His Lys Ala Arg Pro His Ile Ile Arg Tyr Lys Ile Ile  
1 5 10 15

<210> 567  
<211> 19  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 567  
Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg Ile Arg  
1 5 10 15

Lys Ile Val

<210> 568

<211> 19  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 568  
Arg Ile Ile Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu  
1 5 10 15

Ile Lys Lys

<210> 569  
<211> 19  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 569  
Lys Ile Gly Trp Lys Leu Arg Val Arg Ile Ile Arg Val Lys Ile Gly  
1 5 10 15

Arg Leu Arg

<210> 570  
<211> 25  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 570  
Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg Ile Arg  
1 5 10 15

Lys Ile Val Lys Val Lys Arg Ile Arg  
20 25

<210> 571

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 571

Arg Phe Ala Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu  
1 5 10 15

Ile Lys Lys Ile Arg Lys Arg Val Ile Lys  
20 25

<210> 572

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 572

Lys Ala Gly Trp Lys Leu Arg Val Arg Ile Ile Arg Val Lys Ile Gly  
1 5 10 15

Arg Leu Arg Lys Ile Gly Trp Lys Lys Arg Val Arg Ile Lys  
20 25 30

<210> 573

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC

## PEPTIDE

&lt;400&gt; 573

Arg Ile Tyr Val Lys Pro His Pro Arg Tyr Ile Lys Lys Ile Arg Leu  
1 5 10 15

&lt;210&gt; 574

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 574

Lys Pro Gly His Lys Ala Arg Pro His Ile Ile Arg Tyr Lys Ile Ile  
1 5 10 15

&lt;210&gt; 575

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 575

Lys Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg Ile Arg  
1 5 10 15

Lys Ile Val

&lt;210&gt; 576

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:VIP MIMETIC

## PEPTIDE

&lt;400&gt; 576

Arg Ile Ile Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile Arg Leu  
1 5 10 15

Ile Lys Lys

&lt;210&gt; 577

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 577

Arg Ile Tyr Val Ser Lys Ile Ser Ile Tyr Ile Lys Lys Ile Arg Leu  
1 5 10 15

&lt;210&gt; 578

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 578

Lys Ile Val Ile Phe Thr Arg Ile Arg Leu Thr Ser Ile Arg Ile Arg  
1 5 10 15

Ser Ile Val

&lt;210&gt; 579

&lt;211&gt; 16

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence



&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 579

Lys Pro Ile His Lys Ala Arg Pro Thr Ile Ile Arg Tyr Lys Met Ile  
1 5 10 15

&lt;210&gt; 580

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 1, disulfide bond to position 26

&lt;220&gt;

&lt;223&gt; At position 26, disulfide bond to position 1

&lt;400&gt; 580

Xaa Cys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro  
1 5 10 15Leu Phe Lys Thr Leu Leu Ser Ala Val Cys  
20 25

&lt;210&gt; 581

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 581

Cys Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser Pro  
1 5 10 15

Leu Phe Lys Thr Leu Leu Ser Ala Val Cys  
20 25

<210> 582  
<211> 27  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 582  
Cys Lys Lys Lys Gly Phe Phe Ala Leu Ile Pro Lys Ile Ile Ser Ser  
1 5 10 15

Pro Leu Phe Lys Thr Leu Leu Ser Ala Val Cys  
20 25

<210> 583  
<211> 17  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>  
<223> At position 1, disulfide bond to position 17

<220>  
<223> At position 17, disulfide bond to position 1

<400> 583  
Xaa Cys Arg Ile Val Ile Arg Ile Arg Ile Arg Leu Ile Arg Ile Arg  
1 5 10 15

Cys

<210> 584

<211> 19  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:VIP MIMETIC  
 PEPTIDE

<220>  
 <223> At position 1, disulfide bond to position 19

<220>  
 <223> At position 19, disulfide bond to position 1

<400> 584  
 Xaa Cys Lys Pro Gly His Lys Ala Arg Pro His Ile Ile Arg Tyr Lys  
       1                  5                  10                  15

Ile Ile Cys

<210> 585  
 <211> 29  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:VIP MIMETIC  
 PEPTIDE

<220>  
 <223> At position 1, disulfide bond to position 29

<220>  
 <223> At position 29, disulfide bond to position 1

<400> 585  
 Xaa Cys Arg Phe Ala Val Lys Ile Arg Leu Arg Ile Ile Lys Lys Ile  
       1                  5                  10                  15

Arg Leu Ile Lys Lys Ile Arg Lys Arg Val Ile Lys Cys  
                   20                  25

<210> 586

<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 586  
Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys Cys  
1 5 10

<210> 587  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 587  
Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys  
1 5 10

<210> 588  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 588  
Lys Leu Leu Leu Lys Leu Lys Leu Lys Leu Leu Lys Cys  
1 5 10

<210> 589  
<211> 12  
<212> PRT  
<213> Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 589

Lys Leu Leu Leu Lys Leu Leu Leu Lys Leu Leu Lys  
1 5 10

&lt;210&gt; 590

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 590

His Ser Asp Ala Val Phe Tyr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
1 5 10 15Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn  
20 25

&lt;210&gt; 591

&lt;211&gt; 31

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 591

Asn Leu Glu His Ser Asp Ala Val Phe Tyr Asp Asn Tyr Thr Arg Leu  
1 5 10 15Arg Lys Gln Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn  
20 25 30

&lt;210&gt; 592

<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>

<223> At position 1, Xaa is absent or is ala, val,  
ala-val, val-ala, L-lys, D-lys, ala-lys, val-lys,  
ala-val-lys, val-ala-lys, or an ornithinyl residue

<220>

<223> At position 2, Xaa is L-lys, D-lys or an  
ornithinyl residue

<220>

<223> At position 3, Xaa is L-tyr, D-tyr, phe, trp or a  
p-aminophenylalanyl residue

<220>

<223> At position 4, Xaa is a hydrophobic aliphatic  
amino acid residue (X5), X5-leu, X5-norleucyl,  
X5-D-ala, X5-asn-ser, X5-asn-ser-ile,  
X5-asn-ser-tyr, X5-asn-ser-ile-leu,  
X5-asn-ser-tyr-leu,

<220>

<223> or X5-asn-ser-tyr-leu-asn

<400> 592

Xaa Xaa Xaa Xaa

1

<210> 593

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>

<223> At position 1, Xaa is either absent, a hydrophobic

aliphatic residue (X5), X5-asn, tyr-X5, lys-X5,  
lyx-S5-asn, lys-tyr-X5, lys-tyr-X5-as,  
lys-lys-tyr-X5, lys-lys-tyr-X5-asn,  
val-lys-lys-tyr-X5,

<220>

<223> val-ala-lys-lys-tyr-X5-asn, or  
ala-val-lys-lys-tyr-X5-asn

<220>

<223> At position 3, Xaa is ile or tyr

<400> 593

Xaa Ser Xaa Leu Asn  
1 5

<210> 594

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>

<223> At positions 1 and 6, Xaa are cross-linked amino  
acid residues in which the sidechain linker group  
is (CH<sub>2</sub>)<sub>m</sub>-Z-(CH<sub>2</sub>)<sub>n</sub> wherein Z is -CONH-, -NHCO-,  
-S-S-, -S(CH<sub>2</sub>)<sub>t</sub>CO-NH or -NH-CO(CH<sub>2</sub>)<sub>t</sub>S-; m is 1 or  
2

<220>

<223> when Z is -NH-CO- or -NH-CO(CH<sub>2</sub>)<sub>t</sub>S-; n is 1 or 2  
when Z is -NH-CO-, -S-S- or -NH-CO(CH<sub>2</sub>)<sub>t</sub>S, or n is  
2, 3 or 4 when Z is -CONH- or -S(CH<sub>2</sub>)<sub>t</sub>CO-NH-

<220>

<223> At position 5, Xaa is a hydrophobic aliphatic  
amino acid residue

<220>

<223> At position 7, Xaa is a covalent bond or Asn, Ser,  
Ile, Tyr, Leu, Asn-Ser, Asn-Ser-Ile, Asn-Ser-Tyr,  
Asn-Ser-Ile-Leu, Asn-Ser-Tyr-Leu,  
Asn-Ser-Ile-Leu-Asn or Asn-Ser-Tyr-Leu-Asn

<400> 594

Xaa Lys Lys Tyr Xaa Xaa Xaa

1

5

<210> 595

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 595

Lys Lys Tyr Leu

1

<210> 596

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 596

Asn Ser Ile Leu Asn

1

5

<210> 597

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 597

Lys Lys Tyr Leu



1

&lt;210&gt; 598

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 4, D amino acid residue

&lt;400&gt; 598

Lys Lys Tyr Ala

1

&lt;210&gt; 599

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 599

Ala Val Lys Lys Tyr Leu

1

5

&lt;210&gt; 600

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 600

Asn Ser Ile Leu Asn

1

5

&lt;210&gt; 601

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 601

Lys Lys Tyr Val

1

&lt;210&gt; 602

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 3, Xaa is a lauric acid residue

&lt;400&gt; 602

Ser Ile Xaa Asn

1

&lt;210&gt; 603

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 5, Xaa is a norleucyl residue

&lt;400&gt; 603

Lys Lys Tyr Leu Xaa

1

5

&lt;210&gt; 604

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 604

Asn Ser Tyr Leu Asn

1

5

&lt;210&gt; 605

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 605

Asn Ser Ile Tyr Asn

1

5

&lt;210&gt; 606

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 606

Lys Lys Tyr Leu Pro Pro Asn Ser Ile Leu Asn

1

5

10

&lt;210&gt; 607

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 1, Xaa is a lauric acid residue

&lt;400&gt; 607

Xaa Lys Lys Tyr Leu

1

5

&lt;210&gt; 608

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 1, Xaa is a caproic acid residue

&lt;400&gt; 608

Xaa Lys Lys Tyr Leu

1

5

&lt;210&gt; 609

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>

<223> At position 4, Xaa is a norleucyl residue

<400> 609

Lys Lys Tyr Xaa

1

<210> 610

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 610

Val Lys Lys Tyr Leu

1

5

<210> 611

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 611

Leu Asn Ser Ile Leu Asn

1

5

<210> 612

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 612

Tyr Leu Asn Ser Ile Leu Asn

1

5

&lt;210&gt; 613

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 613

Lys Lys Tyr Leu Asn

1

5

&lt;210&gt; 614

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 614

Lys Lys Tyr Leu Asn Ser

1

5

&lt;210&gt; 615

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 615

Lys Lys Tyr Leu Asn Ser Ile

1

5

&lt;210&gt; 616

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 616

Lys Lys Tyr Leu Asn Ser Ile Leu

1

5

&lt;210&gt; 617

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 617

Lys Lys Tyr Leu

1

&lt;210&gt; 618

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 618

Lys Lys Tyr Asp Ala

1

5

<210> 619  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 619  
Ala Val Lys Lys Tyr Leu  
1 5

<210> 620  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 620  
Asn Ser Ile Leu Asn  
1 5

<210> 621  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 621  
Lys Lys Tyr Val  
1

<210> 622  
<211> 4



<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>  
<223> At position 3, Xaa is a lauric acid residue

<400> 622  
Ser Ile Xaa Asn  
1

<210> 623  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 623  
Asn Ser Tyr Leu Asn  
1 5

<210> 624  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 624  
Asn Ser Ile Tyr Asn  
1 5

<210> 625  
<211> 5

<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<220>  
<223> At position 5, Xaa is a norleucyl residue

<400> 625  
Lys Lys Tyr Leu Xaa  
1 5

<210> 626  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 626  
Lys Lys Tyr Leu Pro Pro Asn Ser Ile Leu Asn  
1 5 10

<210> 627  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 627  
Lys Lys Tyr Leu  
1

<210> 628  
<211> 5

<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 628  
Lys Lys Tyr Asp Ala  
1 5

<210> 629  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 629  
Ala Val Lys Lys Tyr Leu  
1 5

<210> 630  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

<400> 630  
Asn Ser Ile Leu Asn  
1 5

<210> 631  
<211> 4  
<212> PRT  
<213> Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 631

Lys Lys Tyr Val

1

&lt;210&gt; 632

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 3, Xaa is a lauric acid residue.

&lt;400&gt; 632

Ser Ile Xaa Asn

1

&lt;210&gt; 633

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 633

Leu Ala Lys Lys Tyr Leu

1

5

&lt;210&gt; 634

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 634

Cys Ala Pro Lys Lys Tyr Leu  
1 5

&lt;210&gt; 635

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 4, Xaa is a norleucyl residue

&lt;400&gt; 635

Lys Lys Tyr Xaa  
1

&lt;210&gt; 636

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 636

Val Lys Lys Tyr Leu  
1 5

&lt;210&gt; 637

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 637

Leu Asn Ser Ile Leu Asn

1

5

&lt;210&gt; 638

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 638

Tyr Leu Asn Ser Ile Leu Asn

1

5

&lt;210&gt; 639

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 5, Xaa is a norleucyl residue

&lt;400&gt; 639

Lys Lys Tyr Leu Xaa

1

5

&lt;210&gt; 640

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 640

Lys Lys Tyr Leu Asn  
1 5

&lt;210&gt; 641

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 641

Lys Lys Tyr Leu Asn Ser  
1 5

&lt;210&gt; 642

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 642

Lys Lys Tyr Leu Asn Ser Ile  
1 5

&lt;210&gt; 643

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 643

Lys Lys Tyr Leu Asn Ser Ile Leu

1

5

&lt;210&gt; 644

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 644

Lys Lys Lys Tyr Leu Asp

1

5

&lt;210&gt; 645

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At positions 1, 6 disulfide cross-linked

&lt;400&gt; 645

Xaa Cys Lys Lys Tyr Leu Cys

1

5

&lt;210&gt; 646

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE



&lt;220&gt;

<223> At positions 1, 6 cross-linked by S-CH<sub>2</sub>-CO

&lt;400&gt; 646

Cys Lys Lys Tyr Leu Lys  
1 5

&lt;210&gt; 647

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;220&gt;

&lt;223&gt; At position 4, D amino acid residue

&lt;400&gt; 647

Lys Lys Tyr Ala  
1

&lt;210&gt; 648

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 648

Trp Trp Thr Asp Thr Gly Leu Trp  
1 5

&lt;210&gt; 649

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 649

Trp Trp Thr Asp Asp Gly Leu Trp  
1 5

&lt;210&gt; 650

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 650

Trp Trp Asp Thr Arg Gly Leu Trp Val Trp Thr Ile  
1 5 10

&lt;210&gt; 651

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE

&lt;400&gt; 651

Phe Trp Gly Asn Asp Gly Ile Trp Leu Glu Ser Gly  
1 5 10

&lt;210&gt; 652

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:VIP MIMETIC  
PEPTIDE